Digifly

Aviation Instruments

Archimede

User manual

Software Version 61.2

CONGRATULATIONS

Thank you for choosing Digifly!

You have purchased a high technology instrument designed expressly for free flight. The multiple functions and flight data it provides, effectively make it an on board computer. Learning to use this instrument will make your flying easier in terms of performance and safety. It will enable you to improve your flying technique and make piloting decisions more quickly thanks to the comprehensive flight information that is provided. Another benefit is the ability to download and analyze your flight data afterwards. Our designers can foresee future software developments, so the software at the heart of this instrument can be updated at any time via the Internet using the optional Digifly PC cable.

DIGIFLY INTERNATIONAL GUARANTEE

Dear Customer,

Thank you for purchasing this Digifly product which has been designed and manufactured to the highest quality standards. Digifly warrants this product to be free from defects in materials and workmanship for 3 years from the date of purchase.

The Digifly guarantee applies provided the product is handled properly for its intended use, in accordance with its operating instructions and upon presentation of the original invoice or cash receipt, indicating the date of purchase, the dealer's name, the model and the serial number of the instrument. The customer is however, responsible for any transportation costs. The unit must be securely packaged for return.

The Digifly guarantee may not apply if:

- The documents have been altered in any way or made illegible.

- Repairs or product modifications and alterations have been executed by unauthorized person or service.

- Damage is caused by accidents including but not limited to lightning, water or fire, misuse or neglect.

Digifly assumes no responsibility for special, incidental, punitive or consequential damages, or loss of use. If your Digifly product is not working correctly or is defective, please contact your Digifly dealer. In order to avoid unnecessary inconvenience, we advise you to read the operating instructions carefully before contacting your dealer.

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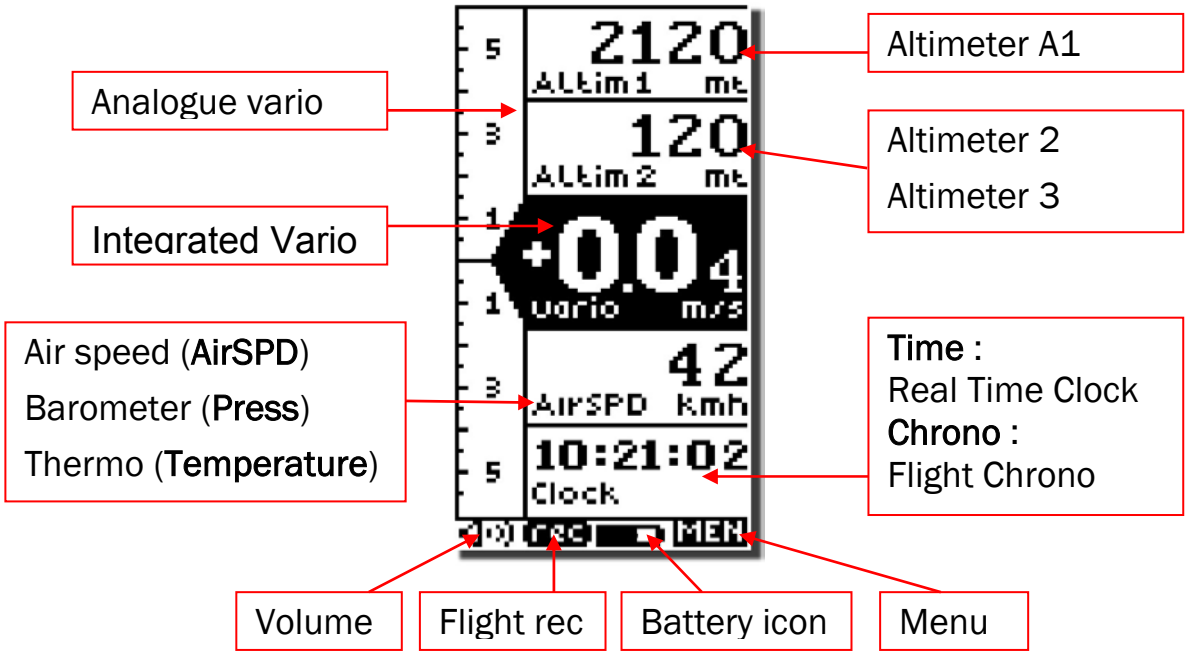
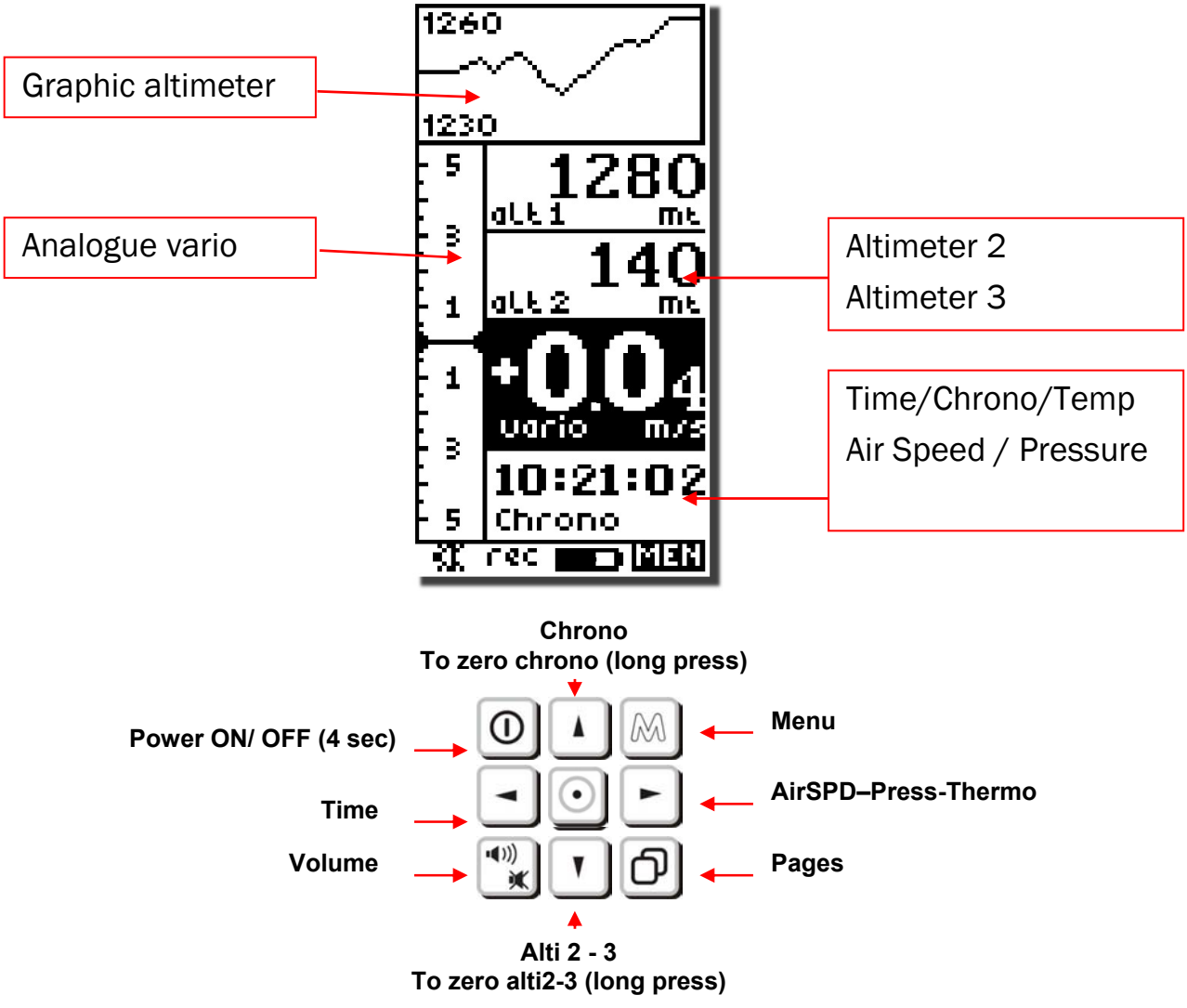
2 QUICK REFERENCE GUIDES

2.1 BASIC DISPLAY SCREEN & KEY GUIDES

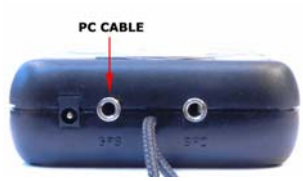


2.2 ADVANCED DISPLAY SCREEN & KEY GUIDES



3 GETTING STARTED

3.1 GUIDE TO SOCKETS



3.2 BATTERIES

3.2.1 BATTERY TYPES

- The Digifly **Archimede** is supplied with a none rechargeable 1.5V AA battery.
- It also support a 1.2V AA Ni-MH rechargeable battery.

3.2.2 BATTERY LIFE INDICATOR

- The battery life is up to 200 hours.
- The battery level is continuously monitored by an internal voltmeter that indicates the remaining battery life.
- The battery icon starts to blink when there is less than 20 hours of battery life remaining.
- The battery life can be affected by use in extreme conditions such as cold and humidity.
- The battery icon only starts at 100% when using a standard alkaline AA 1.5V battery.

3.3 LONG OR NORMAL KEY PRESS

- The length of time a key is pressed on your Digifly **Archimede** influences the functions available.
- For a long key press, you must keep the button pressed down for at least 2 seconds (green functions).
- For a normal key press, you must press the button for less than a second.
- When not specified, the key press is to be considered as a normal key press.

3.4 TURNING ON & OFF

- To turn on your Digifly **Archimede**, press the ⏻ key at least for 2 seconds.
- To turn off your Digifly **Archimede**, press the ⏻ key at least for 2 seconds.
- After switching off your Digifly **Archimede**, you must wait at least 5 seconds before you can turn it on again. This prevents unwanted operation e.g. during transit in your glider bag.
- After turning your Digifly **Archimede** on, the first screen briefly shows the vario model, pilot name (if set), vario serial number, software version, date, time and battery voltage.

3.5 DISPLAY CONTRAST ADJUSTMENT

- The contrast of the Digifly **Archimede** LCD display can be adjusted to suit ambient light conditions.
- To change the contrast of the display, press the [M] key to go "**MAIN SETUP**" menu, and go to (**M-SET \ n. 1 CTRS**). Edit the parameter and save by pressing the [M] key (function "**SAV**").

3.6 MENU NAVIGATION

- To navigate the menus on your Digifly **Archimede**, go to the setup **MENU** page by pressing the [M] key (function "**MEN**").
- To return to the instrument's main display, press the [⏻] key (function "**ESC**").
- From the "**MENU**" page, to select the sub-menus, move up and down using the arrow keys [▲], [▼] and to confirm, press the [M] key (function "**ENT**").
- To change the selected parameter's values, use the arrow keys [▲], [▼] and confirm with the [M] key (function "**SAV**") or you can also leave without saving your edit with the [⏻] key (function "**ESC**").

3.7 SETTING UP YOUR VARIO

- To setup your Digifly **Archimede** and adjust parameters, press the [M] key (function "**MEN**"), select the "**MAIN SETUP**"(**M-SET**) sub-menu and press the [M] key (function "**ENT**").Move up and down with the arrow keys [▲], [▼] Press the [M] key (function "**EDIT**") to go to the edit mode. To change the selected parameter's values, use the arrow keys [▲], [▼] and confirm with the [M] key (function "**SAV**") or you can also leave without saving your edit with the [⏻] key (function "**ESC**").
- To return to the instrument's main display, press the [⏻] key (function "**ESC**").

3.8 MULTI LANGUAGE HELP

- To help you set up your Digifly **Archimede**, the instrument supports several help languages. To change the help language go to (**M-SET \ n.26 LANG**) & select the language of choice.

3.9 RESTORE FACTORY SETTINGS

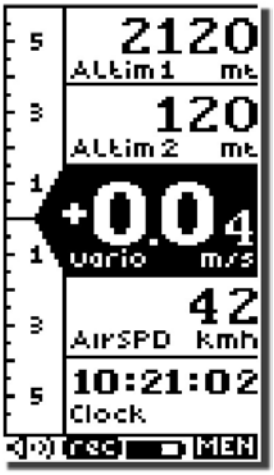
- To restore the factory settings (default values for all parameters), press and hold down the key as you turn vario on. Keep the key pressed until a message "**FACTORY SET?**" appears, then confirm with "**YES**" or "**NO**".

4 DISPLAY SCREENS

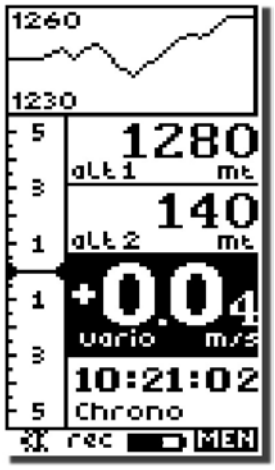
- The are 2 main display screens on the Digifly **Archimede:**

  - The **Basic Display** screen.

  - The **Advanced Display** screen.
- To switch between these 2 main display screens, press the key.



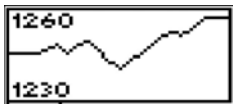
BASIC DISPLAY



ADVANCED DISPLAY

4.1 GRAPHIC ALTIMETER

- This is a live plot of your altitude against time, it scrolls whilst you are flying. It will help you to see how effectively you are climbing or turning in a thermal. It is especially useful in weak conditions.



GRAPHIC ALTIMETER DISPLAY

- The scales on the graphic altimeter can be changed, go to (**M-SET \ n. 13 BARX**) and (**M-SET \ n. 14 BARY**).

4.2 ALTIMETER DISPLAY

- The Digifly **Archimede** has 3 different altimeters: **A1**, **A2**, **A3.**
- The altimeters can be shown in metric (mt) or imperial (ft) units. To change the units of display. Press the key, (function "**ENT**") to select and then select (**M-SET \ n. 22 U-AL**)**"** and change to "**FT**" or "**MT**".
- On the **Basic Display** page, the **A1** (barometric altimeter) is the first altimeter shown.

- Below the altimeter **A1** is there the **A2-A3** altimeter display . To switch between **A2** or **A3** press the [▼] key.
- To zero the **A2, A3** altimeter press the [▼] key (long press).

4.2.1 ADJUSTING ALTIMETERS A1, A2, A3

- Go to the altimeter menu "**ALTIMETER**" and select which altimeter (**A1** or **A2 and A3**) you want to adjust. Move up and down using the arrow keys [▲], [▼] and press the [M] key (function "**EDIT**"). To adjust the altimeter value use the arrow keys [▲], [▼] and confirm with the [M] key (function "**SAV**") or leave without saving with the [⏻] key (function "ESC").
- To reset the **A1, A2, A3** altimeters to standard QNH (1013 mb), go to the altimeter menu "**ALTIMETER**". Press the [⊙] central key (long press). A confirmation of "**YES**" or "**NO**" is required.
- If the altimeters have been set in feet and the "ft" icon is blinking, the altitude indication is in tens of feet.

4.3 VARIOMETER DISPLAY

4.3.1 SUPERFAST INTELLIVARIO

- The Intellivario is a revolutionary system designed by Digifly which is based on the use of sophisticated digital filters. This results in a very sensitive vario and is immune to radio interference. All the variometric functions are subject to these filters.
- The Digifly **Archimede** has a very fast pressure sensor and an excellent data acquisition system that allows the instrument to perform as a very fast and accurate vario (updated 20 times a second).

4.3.2 VARIO REACTIVITY

- To adjust the reactivity of the vario, go to (**M-SET \ n. 5 RVAR**).

4.3.3 ANALOGUE VARIO

- The long data field on the left of the display shows the analogue vario value.
- The analogue vario is an instantaneous vario reading. This information is shown on the analogue display on the left of the screen by a bar graph, indicating lift or sink.
- The scale of the analogue vario can be adjusted by setting parameter (**M-SET \ n. 7 FS_V**) to 1, 6, 12 m/s.

4.3.4 INTEGRATED (AVERAGED) VARIO

- The integrated vario is an average vario reading. This time over which the reading is averaged is adjustable.
- You can change the integration interval by setting parameter (**M-SET \ n. 6 INTE**) between "**0**" and "**60**" seconds.
- It can be delayed or immediate. If you set a value that is too low, its value will be close to the instantaneous reading. Normally this is the most common setting. It can also be used for example to see if the rate of lift or sink is improving or getting worse. If the integrated vario reading over a number of seconds is higher than the actual reading, it means that you are doing worse than before.

4.3.5 ACOUSTIC VARIO

- The acoustic vario represents the instantaneous values of the vario with a modulated tone.
- The volume of the tone is adjustable over three levels pressing the key.
- **Important:** this volume level influence all acoustic indications, but not power ON/OFF indication.

- You can set the threshold level for the Digifly **Archimede** to indicate lift, go to (**M-SET \ n. 2 V.UP**) and sink, go to (**M-SET \ n. 3 V.DN**).
- To change the vario tone modulation, based on your personal preferences, go to (**M-SET \ n. 4 TONE**), the acoustic vario tone modulation between **SFT** (soft), **STD** (standard) and **FAS** (fast).
- A very useful function to "hear" the vario tone modulation without flying is the **Vario Simulator** function, see paragraph below.

4.3.6 VARIO SIMULATOR

- The Vario Simultator is a very useful function, that allows to simulate all the vario instrument functions (acoustic vario, analog and integrator vario) while you are on the ground.
- To activate this function, go to (**M-SET \ n. 8 SIMV**), press the key (function "**EDIT**") and select **ON**.
- Go back to **BASIC/ADVANCED** display and press up and down the arrow keys to change the vario value.
- **Important:** for your safety, this function is always reset to "**OFF**" when you turn the vario on.

4.4 TEMPERATURE DISPLAY

- The temperature can be shown on the **BASIC/ADVANCED Display** screen.

- Press the right arrow key [►] to switch between the functions. In sequence the following values are shown:

  Temperature / Pressure./ Air Speed
- The ambient temperature reading can be shown in metric (°C) or imperial (°F) units. To change the units of display, go to the main setup menu page by pressing the [M] key (function "**MEN**"), select the "**MAIN SETUP**" menu and go (**M-SET \ n. 24 U-TE).**
- **Note:** temperature sensor is inside the instrument and takes several minutes to reach the external temperature. Differences in readings of about 1° or 2° are normal.
- It is possible to adjust the temperature indication, go to (**MAIN SETUP \ n. 25 KTMP**).

4.5 PRESSURE DISPLAY

- The pressure can be shown on the **BASIC/ADVANCED DISPLAY** screen.
- To display the barometric pressure press the [►] key.
- To recalibrate the barometer, go to (**M-SET \ n. 12 KBAR**)
- **Attention:** Incorrect re-calibration makes the readings of the barometer & the altimeters less accurate.

4.6 AIR SPEED (WITH OPTIONAL AIR SPEED PROBE)

- To display your air speed, you must have an air speed probe connected. The optional air speed probe should be plugged in to the right hand socket on the bottom of the vario.
- The air speed reading can be shown in metric (km/h) or imperial (mph) units. To change the units of display, go to (**M-SET \ n. 23 U-SP**) menu & then change to "**MHP"** or **"KMH"**.
- The airspeed can be shown on the **BASIC/ADVANCED DISPLAY** screen.
- To display the air speed press the [►] key.

4.6.1 STALL ALARM

- To activate the stall alarm function, you must have an air speed probe connected. The optional air speed probe should be plugged in to the right hand socket on the bottom of the vario. It is possible to adjust the value that visual and acoustic the stall alarm is activated. Go to (**M-SET \ n. 9 STAL**). Enter the value in km/h.

4.6.2 AIR SPEED RECALIBRATION

- If the air speed probe is showing inaccurate readings, it is possible to recalibrate the air speed probe, go to (**M_SET \ n. 11 KIAS**). An adjustment (in %) of the air speed reading can be made, (100% = no adjustment, 110% = increase, 90% = decrease).

- **Attention:** incorrect re-calibration will make the air speed readings on the Digifly **Archimede** inaccurate.

4.7 TIME/CHRONOGRAPH DISPLAY

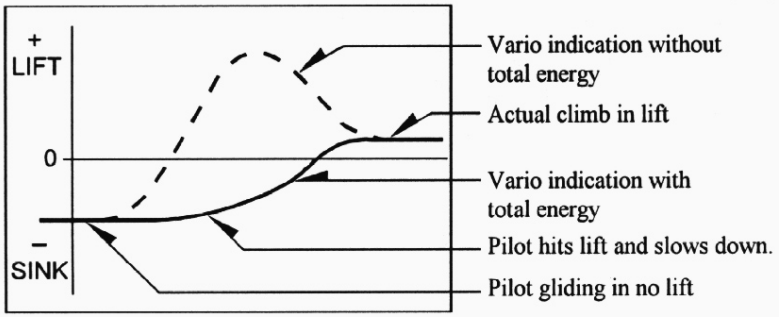
- The Time/Chronograph function can be shown on the **BASIC/ADVANCED Display**.
- Press the key ◄ **TIME** or ▲, **CHRONO** to switch between the functions.
- To zero the chronograph, press the ▲ key (long press).
- **Note:** The chronograph is always set at zero when flight recorder starts.
- To adjust the time and date, go to (**M-SET \ n. 15 HOUR**), (**M-SET \ n. 16 MIN**), (**M-SET \ n. 17 DAY**), (**M-SET \ n. 18 MONT**), (**M-SET \ n. 19 YEAR**).

4.8 PILOT NAME

- To set the pilot name, go to (**M-SET \ n. 21 PILO**).

5 ADVANCED FUNCTIONS

5.1 TOTAL ENERGY COMPENSATION



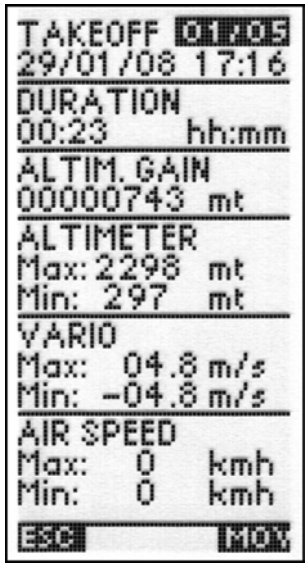
- Total energy compensation is the rate of change of atmospheric pressure and displays this as a vertical speed. If you slow down in flight, your glider will climb using the excessive kinetic energy. A "non-compensated" vario would interpret this as lift. Now, if you are flying quite fast and slow down when you enter a thermal, the vario reading gets rather difficult to interpret. Part of the lift reading is due to slowing down, and part is due to lift from the thermal. With total energy compensation, the part of the climb due to the change in velocity is ignored, allowing you to identify "real" thermals.
- To identify the correct total energy compensation value, an air speed probe must be connected to your vario. The optional air speed probe should be plugged in to the right hand socket on the bottom of the vario.
- To determine the correct total energy compensation value, with an air speed probe connected, you should fly in calm air conditions and slow down as if you are entering a thermal. If the vario shows a change in lift, you have to increase the total energy compensation value, go to (**M-SET \ n. 10 TEC**). Then try again until the change in velocity isn't recorded as lift.
- A typical value for hang gliders is **65**. Setting this value to "**0**" deactivates the total energy compensation function.

6 FLIGHT RECORDER

6.1 AUTOMATIC FLIGHT RECORDER

- The flight recorder will start on take off, provided there is a change in height of 2 meters in less than 4 seconds.
- Is possible to change the parameter that initiates the recording of height in meters (**SETUP \ n. 20 R.DS**).
- The flight recorder will only stop recording when the instrument is turned off. When the Digifly **Archimede** is recoding a flight, the record icon in shown at the bottom of the screen.

6.2 LOG BOOK MANAGEMENT

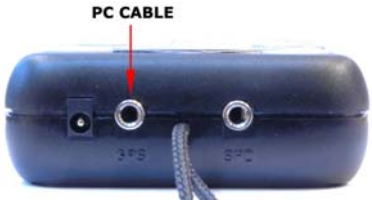


- To view saved flight data go to press the [M] key (function "**ENT**") and select "**LOGBOOK**". A list of all recorded flights (up to 50 flights) with take off date and time is shown.
- First flight displayed is the latest recorded flight.
- To select which flight you want to view, move up and down using the arrow keys [▲], [▼] and then press the [M] key (function "**ENT**"). The first flight listed is the last recorded flight.
- To scroll to view the others flights navigate using the arrow keys [▲], [▼]
- Press the [⏻] key (function "**ESC**") to return to the previous menu.
- To delete all flights from the flight log, from the "**LOGBOOK**" menu, press the [⊙] key (long press). A confirmation of "**YES**" or "**NO**" is required.
- For each flight, the flight data screen includes the following information:

- Take off date and time, the duration of the flight and the total gain of altitude attained, the minimum and maximum values of altimeter A1, the variometer values and air speed.

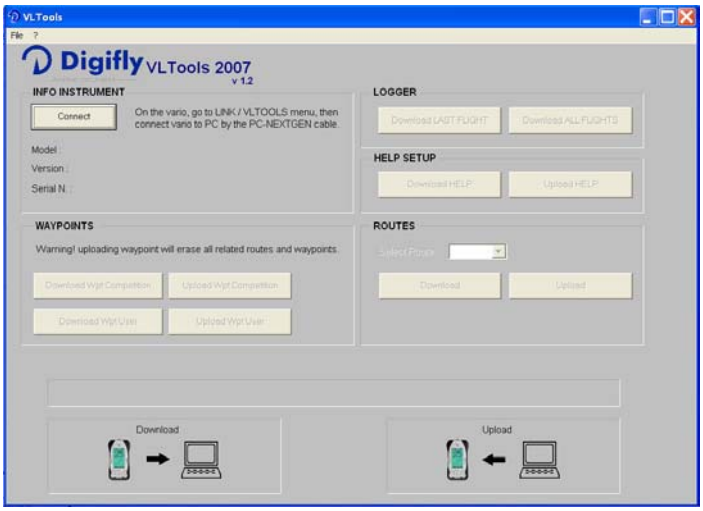
7 PC CONNECTION AND INTERFACE

- To download your flight data to your PC, plug the optional PC serial or USB cable into the middle socket on the base of your Digifly **Archimede**.



7.1 CONNECTING WITH THE DIGIFLY VLTOOLS SOFTWARE

- The "**VLTOOLS**" software is a free Digifly Windows PC software that allows you to download all recorded flights (logbook) from the **Archimede** to a PC in Windows Excel format.
- Connect the PC cable with both the Digifly **Archimede** and the PC switched off.
- Switch on the Digifly **Archimede** and then the PC.
- From the Digifly **Archimede**, go to the menu "**VLTOOLS**", the message "LINK" start to flash.
- From your PC, run the latest copy of the Digifly Vltools software and click the "CONNECT" button.
- A successful connection is confirmed by a message with the serial number of your instrument.
- Click the "**DOWNLOAD ALL FLIGHTS**" button.
- At the end of the download the file "minmax.xls" will be created in the VLTOOLS directory.
- For more info read the Digifly Vltools user manual.

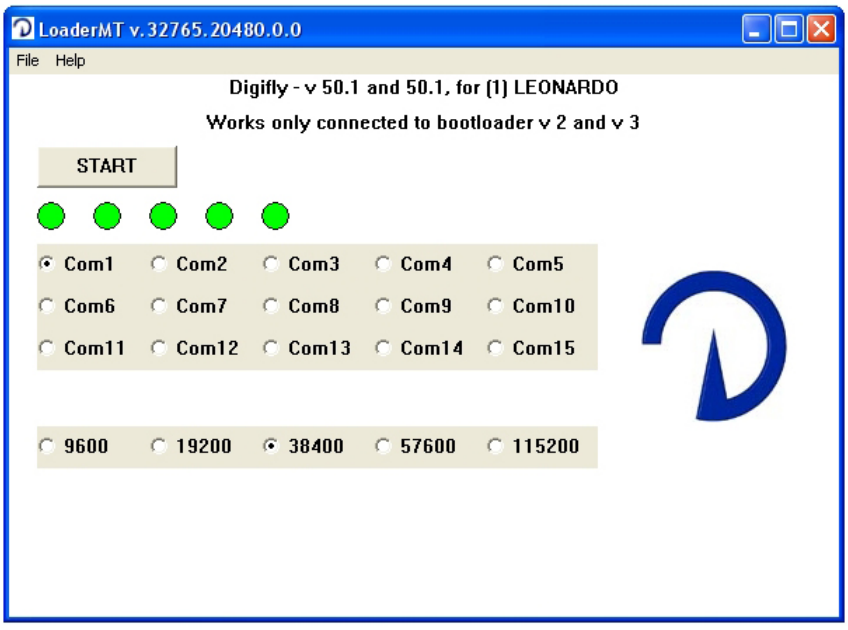


7.2 FIRMWARE UPGRADE

- The software (firmware) on your Digifly **Archimede** can be updated as new releases are made available from Digifly. This will allow your instrument to be kept up to date with new functions and improvements.
- The latest Digifly software may be downloaded from the Digifly web site (**www.digifly.com**) & installed using the optional PC serial or USB cable.
- The optional PC serial or Digifly USB cable is connected to the middle socket on the base of the Digifly **Archimede**.

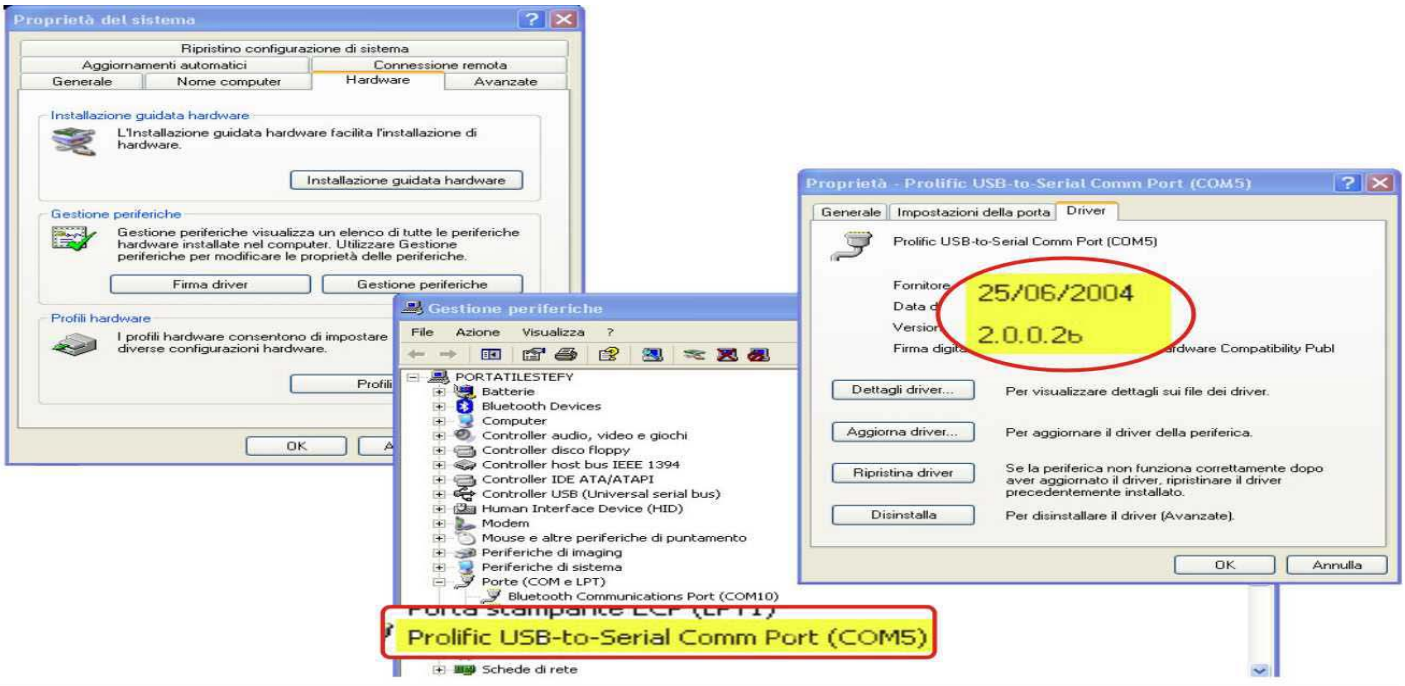
7.2.1 UPGRADE PROCESS

- Make sure the battery on your Digifly **Archimede** is fully charged.
- Turn off your Digifly **Archimede** and plug the Digifly PC serial or USB cable in to the middle socket on the base of the Digifly **Archimede**.
- Keeping the Ⓜ key pressed, press the ⏻ key and wait a long “beep” acoustic confirmation. Note that the screen will not come on.
- Now release the ⏻ key and then the Ⓜ key.
- From your PC, run the “Upgrade_xx_x_Archimede.exe” program.
- Press Start Button
- Make sure you have only one version of the “Upgrade_xx_x_Archimede.exe” programme open at a time.
- When the “Upgrade_xx_x_Archimede.exe” tools software is operating you will see a the progress of the software.
- The upgrade process take about 5 minutes and on completion, your PC will confirm with a long “beep”.
- Press the ⏻ key and disconnect the PC cable.
- When you restart your Digifly **Archimede** the version number of the new software you have just installed is briefly shown on the start up screen.


LoaderMT v.32765.20480.0.0
File Help
Digifly - v 50.1 and 50.1, for (1) LEONARDO
Works only connected to bootloader v 2 and v 3
START
Com1 Com2 Com3 Com4 Com5
Com6 Com7 Com8 Com9 Com10
Com11 Com12 Com13 Com14 Com15
9600 19200 38400 57600 115200

7.3 PROBLEMS CONNECTING TO YOUR PC

- **Problem** : I attached the cable but the software does not connect
- **Solution** :
- **A)** Unplug the cable , download from our web site the driver installer (www.digifly.com ->download -> " DIGIFLYNEXTGEN-USB Driver.zip" , run it on your PC than plug again the cable.
- How to Check the Driver Installation
- 1) Go to the Device Manager : Start -> Control Panel -> System -> Hardware -> Device Manager
- 2) Click on the plus sign (+) next to "Ports."
- 3) If the device is installed properly, you will see "Prolific USB-to-Serial Comm Port. (COMx)". Note that x is the number of the COM port assigned to the cable.
- **B)** Look for a conflict with a another program or device and turn off firewall / antivirus programs
- **C)** It is also possible that the COM port number assigned is too high or duplicated with some other devices (Bluetooth - Irda).
- Try to reassign the COM port number :
- 1) Go to the Device Manager :Start ->Control Panel ->System ->Hardware ->Device Manager
- 2) Click on the plus sign (+) next to "Ports."
- 3) Right click on the "Prolific USB to Serial Port" and click on Properties
- 4) Click on the "Port Settings" tab. Click the "Advanced" button.
- 5) Pull down the scrollbar on the bottom, left side and select COM 1, 2, 3 or 4 (NOTE: Choose one that does not say "in use" next to it). Click "OK."
- 6) Click "OK" again. Notice that the device will show up as being on the same COM port that it was before (i.e., COM5), but will show up on the new port if you close the Device Manager and open it again.

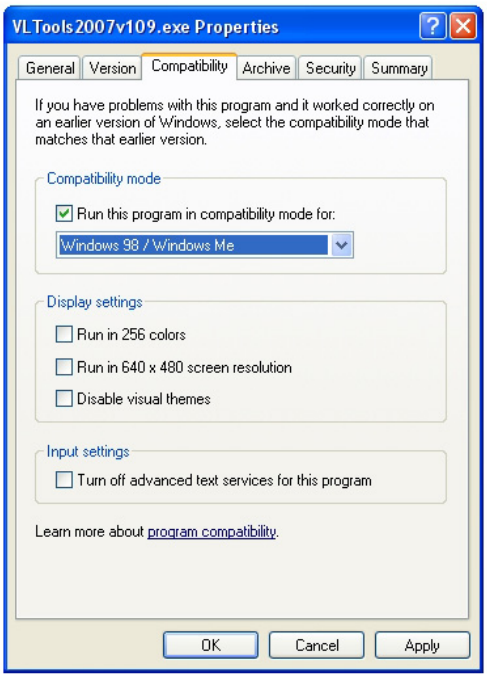


Problem :The cable is working with the Digifly Vltools but not with the software i'm using

- **Solution :**Make sure that the software and the cable are using the same COM port number (try with Digifly Vltools program to check the COM port number).
- If you are still experiencing problems try with the following:

  - Temporarily disable your antivirus and firewall software.

  - Manually setup on your PC the communication protocol MLR 38400 baud.
  - If this still fails, try adjusting the communication protocol to MLR 19200 baud.
- Again :From Windows, right click on the Vltools2007 icon and tick the check box “run this program in Windows98/WindowsMe compatible mode”.



8 DIGIFLY ACCESSORIES

8.1 DIGIFLY ARCHIMEDE STANDARD ACCESSORIES

- The Digifly **Archimede** has the following accessories provided as standard:

  - Protective case.

  - Leg strap.

  - AA 1.5V alkaline battery.

  - User manual.

8.2 OPTIONAL ACCESSORIES

- The following optional accessories are available from Digifly:

  - Digifly PC serial cable to download flight data and upload new firmware directly from the Internet.

  - Digifly PC USB cable to download flight data and upload new firmware directly from the Internet.

  - Air speed probe for hang glider.

  - Air speed probe for paraglider.

  - Hang gliding vario mount.

  - Paragliding vario mount (vario holder)

9 APPENDIX

9.1 DIGIFLY TECHNICAL FEATURES

9.2 STANDARD FUNCTIONS

- Graphic altimeter.
- 3 Altimeters 9,000 m (29527 ft) with adjustable pressure reference.
- Super fast vario with dynamic filter 'IntelliVario' .
- Adjustable acoustic vario reactivity
- Acoustic vario with adjustable levels, volume and tone.
- Analogue vario +/- 12 m/s (2400 ft/min).
- Digital vario +/- 25 m/s (5000 ft/min).
- Vario integrator adjustable from 0 to 60 sec.
- Total energy compensation (with optional air speed probe).
- Input for optional air speed probe 150 km/h (93 mph) with user calibration.
- Adjustable stall alarm visual and acoustic (with optional air speed probe).
- Barometer (range 300 to 1200 mB) with user calibration.
- Thermometer (range -30°C to +70°C) (range -22 °F to +158 °F).
- Constant battery monitoring.
- Date and time , chronometer, flight timer.
- 50 flights data recorder with autostart.
- Adjustable units of measure.

9.3 GENERAL SPECIFICATIONS

- High resolution graphic LCD display 128 x 64 pixels with adjustable contrast.
- Upgradeable Flash memory software available from the Internet using the optional PC cable via your PC.
- PC connection.
- Input for optional air speed probe.
- Single AA battery required (1.2V or 1.5V).
- AA 1.2V rechargeable battery compatibility.
- Battery life 200 hours.
- Dimensions (H x L x D) 144mm x 72mm x 25mm.
- Weight (with battery) 160 g.
- The Digifly **Archimede** is supplied with leg strap, protective case , AA 1.5V battery and user manual.
- 3 year warranty.

9.4 SETUP PARAMETERS

The following is a list of parameters that can be adjusted. For each parameter you can see the range of values, the factory setting (default) and the unit of measure.

n	Name	Description	Range	Default	Units
1	CTRS	display contrast setting	40 - 60	53	%
2	V.UP	acoustic vario lift setting	0 - 25	0.05	m/s
3	V.DN	acoustic vario sink setting	0 - 25	3.5	m/s
4	TONE	acoustic vario tone modulation	SFT/STD/FAS	STD	----
5	RVAR	acoustic vario reactivity	0.1 - 3.0	0.4	sec
6	INTE	vario integrator	0 - 60	1	sec
7	FS_V	graphic vario scale(1,6,12 m/s)	LOW/MED/HIG	MED	----
8	SIMV	vario simulator	ON/OFF	OFF	----
9	STAL	stall alarm level	0 - 150	0	km/h
10	TEC	total energy compensation	0 - 100	0	%
11	KIAS	air speed calibration	50 - 200	100	%
12	KBAR	barometer calibration	+/- 20.0	0	mB
13	BARX	graphic altimeter x scale	0.4 – 4.0	1	minute
14	BARY	graphic altimeter y scale	3 - 3000	30	mt
15	HOUR	time setting: hours	0 - 23	----	hour
16	MIN	time setting: minutes	0 - 59	----	minute
17	DAY	time setting: day	1 – 31	----	day
18	MONT	time setting: month	1 – 12	----	month
19	YEAR	time setting: year	0 – 99	----	year
20	R-DS	autorecorder meter	1 – 30	2	mt
21	PILO	pilot name	6 characters	----	----
22	U-AL	altimeter, variometer units	FT/MT	MT	----
23	U-SP	air speed units	MHP/KMH	KMH	----
24	U-TE	temperature units	FAR/CEL	CEL	----
25	KTMP	calibration temperature	-20.0 +20.0	0	°C
26	LANG	help language	ITA/ESP/DEU/FRA/CZE/HUN/LN1/LN2	UK	

9.5 RESTORE FACTORY SETTINGS

- To restore the factory settings (default value for all parameters) press and hold down the key as you turn vario on. Keep the key pressed until a message "**FACTORY SET?**" appears, then confirm with "**YES**" or "**NO**".

DISPLAY SCREENS & KEY GUIDES